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ABSTRACT

This publication provides information and activities for teaching concepts about machines and process skills including observing, classifying, collecting and interpreting data, inferring, measuring, and predicting. There are 15 lessons. Lessons 1 through 5 deal with what machines are, measuring force with a spring scale, working with a lever, measuring force on a first class lever, and a second kind of lever. Lessons 6 through 10 pertain to activities on the wheel, the wheel and axle, gears, a fixed pulley, and a movable pulley. Lessons 11 through 15 are concerned with concepts involving the inclined plane, wedges and screws as inclined planes, compound machines, and a review exercise of what was learned in the unit. Also contained in the packet are: (1) a list of materials needed for activities; (2) information on the use of process skill terminology; (3) a list of objectives by lesson; (4) a vocabulary list with definitions; (5) teacher background information; and (6) worksheets, three quizzes, and a unit test. (RT)

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